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PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031  
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/676,777
	Filing Date	October 1, 2003
	First Named Inventor	Li et al.
	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	5853-417

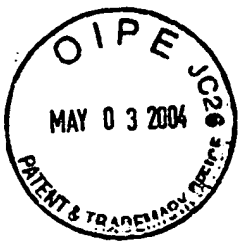
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Neil R. Jetter AKERMAN SENTERFITT
Signature	
Date	April 28, 2004

CERTIFICATE OF TRANSMISSION/MAILING			
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of LI et al.

Application No.: 10/676,777

Examiner:

Date Filed: October 1, 2003

Group:

For: DOUBLY CONSTRAINED ROBUST CAPON BEAMFORMER

CERTIFICATE UNDER 37 CFR 1.8(a)

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Neil R. Jetter

Commissioner for Patents  
Post Office Box 1450  
Alexandria, VA 22313-1450

Date: April 28, 2004

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to the Duty to Disclose under 37 C.F.R. §1.56, Applicants hereby disclose information that may be relevant to the Examiner's consideration of the above-identified application and the patentability of its claims.

In accordance with Rules 56, 97, and 98 of the Rules of Practice in Patent Cases (37 C.F.R. §§ 1.56, 1.97, and 1.98), Form PTO/SB/08B and copies of references cited therein are submitted for consideration by the Examiner. While the references provided in this Information Disclosure Statement may be material to patentability pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specially designated as such. Also, in accordance with 37 C.F.R. § 1.97(g), the

{WP178038;1}

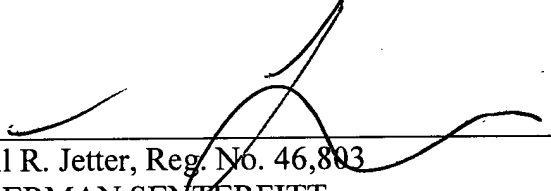
In re Application of: LI et al.  
Application No.: 10/676,777  
Filed: October 1, 2003  
Group Art Unit:  
For: DOUBLY CONSTRAINED ROBUST CAPON  
BEAMFORMER

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filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

This Information Disclosure Statement is being filed before the issuance of a first office action on the merits of the application (37 C.F.R. 1.97(b)(3)); therefore, no fee is believed to be due. However, if any fee is due, the Commissioner is authorized to charge any such fee and any additional fees due or credit any overpayment to Deposit Account No. 50-0951.

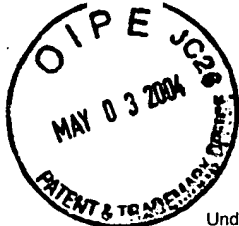
Respectfully submitted,



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Docket No. 5853-417



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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/676,777
		Filing Date	October 1, 2003
		First Named Inventor	LI et al.
		Art Unit	
Examiner Name			
Sheet 1	of 1	Attorney Docket Number	5853-417

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		STOICA et al., "Robust Capon Beamforming," IEEE Signal Processing Letters 10:172-175, 2003.	
		LI et al., "On Robust Capon Beamforming and Diagonal Loading," IEEE Signal Processing Letters 51:1702-1715, 2003.	
		VOROBYOV et al., "Robust Adaptive Beamforming Using Worst-Case Performance Optimization: A Solution to the Signal Mismatch Problem," IEEE Signal Processing Letters 51:313-324, 2003.	
		LORENZ et al., "Robust Minimum Variance Beamforming," Information Systems Laboratory, Stanford University 1-16.	
		WU et al., "A NEW ROBUST BEAMFORMING METHOD WITH ANTENNAE CALIBRATION ERRORS," IEEE 869-872, 1999.	
		MARZETTA, T., "A New Interpretation for Capon's Maximum Likelihood Method of Frequency-Wavenumber Spectral Estimation," IEEE Transactions on Acoustics, Speech, and Signal Processing ASSP-31:445-449, 1983.	
		STOICA et al., "Robust Capon Beamforming," IEEE 876-880, 2002.	
		LI et al., "ON ROBUST CAPON BEAMFORMING AND DIAGONAL LOADING," ICASSP 337-340, 2003.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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